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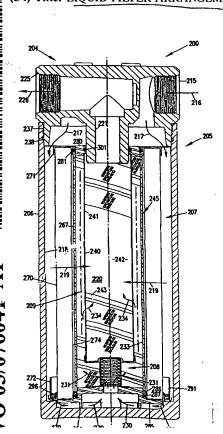
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(54) Title: LIQUID FILTER ARRANGEMENT WITH SECONDARY FILTER AND BYPASS FLOW



(57) Abstract: Liquid filter arrangements are provided. In general, the liquid filter arrangements comprise a housing, a primary filter element, a secondary filter construction and a bypass valve arrangement. The components are arranged such that in normal operation, liquid flows through the primary filter element and then through the secondary filter construction; and, such that during bypass valve operations, flow circumvents the primary filter element and is directed through the secondary filter construction, before leaving the liquid filter arrangement. Both a disposable spin on embodiment and a serviceable cartridge embodiement are provided.